

Title (en)  
SYSTEM AND METHOD FOR DEVELOPING AND MAINTAINING TEMPERATURE-COMPENSATED ALTITUDE INFORMATION

Title (de)  
SYSTEM UND VERFAHREN ZUR ENTWICKLUNG UND ZUR AUFRECHTERHALTUNG VON TEMPERATURKOMPENSIERTEN HÖHENINFORMATIONEN

Title (fr)  
SYSTÈME ET PROCÉDÉ PERMETTANT DE DÉVELOPPER ET DE PRÉSERVER DES INFORMATIONS D'ALTITUDE À COMPENSATION THERMIQUE

Publication  
**EP 3470781 A1 20190417 (EN)**

Application  
**EP 18199200 A 20181008**

Priority  
US 201715729562 A 20171010

Abstract (en)  
A system and method for developing and maintaining temperature-compensated altitude information are disclosed. One method includes receiving a message including an outside air temperature value for a prospective geographic position of a vehicle, and an altitude value and a barometric corrected altitude value for a current geographic position of the vehicle. The method determines if the outside air temperature value for the prospective geographic position of the vehicle is not equal to a current outside air temperature value, and updates the outside air temperature value for the prospective geographic position of the vehicle with the current outside air temperature value if the outside air temperature value for the prospective geographic position of the vehicle is not equal to the current outside air temperature value.

IPC 8 full level  
**G01C 5/00** (2006.01); **G01C 5/06** (2006.01); **G01C 21/20** (2006.01); **G01C 23/00** (2006.01)

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Citation (search report)

- [I] WO 2006137859 A2 20061228 - UNIVERSAL AVIONICS SYS CORP [US]
- [A] EP 2290636 A1 20110302 - BOEING CO [US]
- [A] EP 2362289 A2 20110831 - HONEYWELL INT INC [US]
- [I] US 6263263 B1 20010717 - SHEHI CHRISTOPHER JOHN [US], et al
- [I] EP 1462761 A1 20040929 - THALES SA [FR]
- [A] US 7389164 B1 20080617 - CONNER KEVIN J [US], et al

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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